

Algebra 2 Factoring Quiz Review

Name: _____

Date: Key

Class: _____

Factor each expression.

1) $17x - 68$ $17(x - 4)$

2) $4x^2 + 36x$ $4x(x + 9)$

3) $5a^4b^6 - 25a^2b^8 + 40a^7b$ $5a^2b(a^2b^5 - 5b^7 + 8a^5)$

4) $x^2 - 5x - 36$ $(x - 9)(x + 4)$

5) $x^2 - 8x + 12$ $(x - 6)(x - 2)$

6) $x^2 - 8x - 9$ $(x - 9)(x + 1)$

7) $x^2 + 10x - 56$ $(x - 4)(x + 14)$

8) $x^2 - 36$ $(x - 6)(x + 6)$

$(4x - 12)(4x + 5)$

9) $4x^2 - 7x - 15$ $(x - 3)(4x + 5)$

$2(4x^2 + 4x - 15)$

10) $8x^2 + 8x - 30$ $2(2x + 5)(2x - 3)$

$2(4x + 10)(4x - 6)$

$2(2x + 5)(2x - 3)$

60